**GEOLOGICAL UNIT:**

- **Fill**
  - 2/1/2/1
  - N=5

- **Alluvium**
  - 2/2/2/3
  - N=9

- **Residual Soil**
  - 8/4/6/7/8
  - N=25

- **Greywacke Sandstone**
  - 14/11/13/16/10
  - N=50

**SOIL DESCRIPTION**

- **Fill:** Gravel, fine, angular sandstone gravels. Clayey Gravel with some silt and minor med. sand, dark grey brown. Gravel is angular, med. pebble-cobble (up to 0.25m), SW-MW, some Fe staining present. Matrix consist of low plasticity silty clay with trace fine-med. sand.

- **Alluvium:** Clayey SILT with traces of coarse sand and organics, light brown orange. Soft, Moist, low plasticity, sub-angular sand, occasional fine gravel. Same as previous but more yellow in colour.

- **Residual Soil:** Same as previous but with lenses of light green grey low plasticity fine sandy clay. As above, mottled with some Fe staining, occasional brown silt (ML) lenses.

- **Greywacke Sandstone:** As above with a trace of green grey low plasticity fine sandy clay lenses.

**ENGINEERING DESCRIPTION**

- **SHEAR STRENGTH (kPa):**
  - 10
  - 25
  - 50
  - 100
  - 200

- **COMPRESSIVE STRENGTH (MPa):**
  - 1
  - 5

- **SANDSTONE, light orange brown.** CW, Fine sandy silt, some gravel lenses, relic structures with dark surface staining.
**BOREHOLE No: 2**

**Hole Location:** Carpark adjacent to block V

**PROJECT:** WCC Central Park Flats

**LOCATION:** Nain St Carpark

**JOB No:** 84427.001

**CO-ORDINATES**
- nN: Refer to air photograph on page 2 of BH3
- mE: Refer to air photograph on page 2 of BH3
- R.L.: m
- DATUM: Refer to air photograph on page 2 of BH3

**DRILL TYPE:**
- HOLE STARTED: 2/12/08
- HOLE FINISHED: 3/12/08
- DRILLED BY: Griffiths
- DRILL METHOD: Wash/SPT/HQ Core
- DRILL FLUID: Bentonite & CR650
- LOGGED BY: SBS
- CHECKED: TRJJ
- DRILLED BY: Griffiths
- LOGGED BY: SBS
- CHECKED: TRJJ

**FLUID LOSSES**

<table>
<thead>
<tr>
<th>FLUID LOSS</th>
<th>WATER</th>
<th>CORE RECOVERY (%)</th>
<th>CASING</th>
<th>R.L. (m)</th>
<th>DEPTH (m)</th>
<th>MEASURES</th>
<th>GRAPHIC LOG</th>
<th>WEATHERING</th>
<th>CLASSIFICATION</th>
<th>SHEAR STRENGTH (MPa)</th>
<th>COMPRESSIVE STRENGTH (kPa)</th>
<th>ENGINEERING DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>100</td>
<td>Wash</td>
<td></td>
<td></td>
<td>CW</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Same as previous but darker, multiple fractures. <a href="mailto:J@10.4m">J@10.4m</a>, 45, Pl, Sm, T, FeSt. <a href="mailto:J@10.5m">J@10.5m</a>, 90, Pl, Sm, T, FeSt.</td>
</tr>
</tbody>
</table>

**SOIL DESCRIPTION**
- Soil type, minor components, plasticity or particle size, colour.

**ROCK DESCRIPTION**
- Substance: Rock type, particle size, colour, minor components.
- Defects: Type, inclination, thickness, roughness, filling.

**SANDSTONE**

- Fine SANDSTONE, light orange brown, slightly fractured.
- Borehole terminated at 11.8m (target depth reached).